

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 09/404,979A  
Source: IFW/16  
Date Processed by STIC: 8/20/05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 08/20/2005

PATENT APPLICATION: US/09/404,979A

TIME: 11:06:16

Input Set : A:\020728.0101PTUS Supplemental Sequence Listing.txt

Output Set: N:\CRF4\08202005\I404979A.raw

3 <110> APPLICANT: Genetic Applications LLC  
 5 <120> TITLE OF INVENTION: Peptide-Mediated Gene Transfer  
 7 <130> FILE REFERENCE: 020728.0101PTUS  
 9 <140> CURRENT APPLICATION NUMBER: US 09/404,979A  
 10 <141> CURRENT FILING DATE: 1999-09-22  
 12 <160> NUMBER OF SEQ ID NOS: 56  
 14 <170> SOFTWARE: PatentIn version 3.3  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 5  
 18 <212> TYPE: PRT  
 19 <213> ORGANISM: Yeast  
 21 <400> SEQUENCE: 1  
 23 Lys Ile Pro Ile Lys  
 24 1 5  
 27 <210> SEQ ID NO: 2  
 28 <211> LENGTH: 12  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Yeast  
 32 <400> SEQUENCE: 2  
 34 Val Arg Ile Leu Glu Ser Trp Phe Ala Lys Asn Ile  
 35 1 5 10  
 38 <210> SEQ ID NO: 3  
 39 <211> LENGTH: 7  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: SV40  
 43 <400> SEQUENCE: 3  
 45 Pro Lys Lys Lys Arg Lys Val  
 46 1 5  
 49 <210> SEQ ID NO: 4  
 50 <211> LENGTH: 10  
 51 <212> TYPE: PRT  
 52 <213> ORGANISM: Influenza virus  
 54 <400> SEQUENCE: 4  
 56 Ala Ala Phe Glu Asp Leu Arg Val Arg Ser  
 57 1 5 10  
 60 <210> SEQ ID NO: 5  
 61 <211> LENGTH: 4  
 62 <212> TYPE: PRT  
 63 <213> ORGANISM: Yeast  
 65 <400> SEQUENCE: 5  
 67 Pro Arg Lys Arg  
 68 1  
 71 <210> SEQ ID NO: 6

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72 <211> LENGTH: 9
73 <212> TYPE: PRT
74 <213> ORGANISM: Polyoma virus
76 <400> SEQUENCE: 6
78 Val Ser Arg Lys Arg Pro Arg Pro Ala
79 1 5
82 <210> SEQ ID NO: 7
83 <211> LENGTH: 6
84 <212> TYPE: PRT
85 <213> ORGANISM: SV40
87 <400> SEQUENCE: 7
89 Ala Pro Thr Lys Arg Lys
90 1 5
93 <210> SEQ ID NO: 8
94 <211> LENGTH: 5
95 <212> TYPE: PRT
96 <213> ORGANISM: Adenovirus
98 <400> SEQUENCE: 8
100 Lys Arg Pro Arg Pro
101 1 5
104 <210> SEQ ID NO: 9
105 <211> LENGTH: 7
106 <212> TYPE: PRT
107 <213> ORGANISM: SV40
109 <400> SEQUENCE: 9
111 Pro Asn Lys Lys Lys Arg Lys
112 1 5
115 <210> SEQ ID NO: 10
116 <211> LENGTH: 17
117 <212> TYPE: PRT
118 <213> ORGANISM: Frog
120 <400> SEQUENCE: 10
122 Arg Pro Ala Ala Thr Lys Lys Ala Gly Gln Ala Lys Lys Lys Lys Leu
123 1 5 10 15
126 Asp
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 5
132 <212> TYPE: PRT
133 <213> ORGANISM: Rat
135 <400> SEQUENCE: 11
137 Lys Lys Lys Ile Lys
138 1 5
141 <210> SEQ ID NO: 12
142 <211> LENGTH: 19
143 <212> TYPE: PRT
144 <213> ORGANISM: Monkey
146 <400> SEQUENCE: 12
148 Arg Val Thr Ile Arg Thr Val Arg Arg Pro Pro Lys Gly Lys
149 1 5 10 15

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152 His Arg Lys  
156 <210> SEQ ID NO: 13  
157 <211> LENGTH: 6  
158 <212> TYPE: PRT  
159 <213> ORGANISM: Yeast  
161 <400> SEQUENCE: 13  
163 Asp Gly Lys Lys Arg Ser  
164 1 5  
167 <210> SEQ ID NO: 14  
168 <211> LENGTH: 6  
169 <212> TYPE: PRT  
170 <213> ORGANISM: Chicken  
172 <400> SEQUENCE: 14  
174 Lys Ala Lys Arg Gln Arg  
175 1 5  
178 <210> SEQ ID NO: 15  
179 <211> LENGTH: 5  
180 <212> TYPE: PRT  
181 <213> ORGANISM: Influenza  
183 <400> SEQUENCE: 15  
185 Asp Arg Leu Arg Arg  
186 1 5  
189 <210> SEQ ID NO: 16  
190 <211> LENGTH: 6  
191 <212> TYPE: PRT  
192 <213> ORGANISM: Influenza  
194 <400> SEQUENCE: 16  
196 Pro Lys Gln Lys Arg Lys  
197 1 5  
200 <210> SEQ ID NO: 17  
201 <211> LENGTH: 7  
202 <212> TYPE: PRT  
203 <213> ORGANISM: Frog  
205 <400> SEQUENCE: 17  
207 Val Arg Lys Lys Arg Lys Thr  
208 1 5  
211 <210> SEQ ID NO: 18  
212 <211> LENGTH: 7  
213 <212> TYPE: PRT  
214 <213> ORGANISM: Frog  
216 <400> SEQUENCE: 18  
218 Ala Lys Lys Ser Lys Gln Glu  
219 1 5  
222 <210> SEQ ID NO: 19  
223 <211> LENGTH: 9  
224 <212> TYPE: PRT  
225 <213> ORGANISM: Human  
227 <400> SEQUENCE: 19  
229 Pro Ala Ala Lys Arg Val Lys Leu Asp

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230 1 5
233 <210> SEQ ID NO: 20
234 <211> LENGTH: 11
235 <212> TYPE: PRT
236 <213> ORGANISM: Human
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240 Arg Gln Arg Arg Asn Glu Leu Lys Arg Ser Phe
241 1 5 10
244 <210> SEQ ID NO: 21
245 <211> LENGTH: 7
246 <212> TYPE: PRT
247 <213> ORGANISM: Human
249 <400> SEQUENCE: 21
251 Thr Lys Lys Arg Lys Leu Glu
252 1 5
255 <210> SEQ ID NO: 22
256 <211> LENGTH: 7
257 <212> TYPE: PRT
258 <213> ORGANISM: HTLV-1
260 <400> SEQUENCE: 22
262 Pro Lys Thr Arg Arg Arg Pro
263 1 5
266 <210> SEQ ID NO: 23
267 <211> LENGTH: 7
268 <212> TYPE: PRT
269 <213> ORGANISM: HTLV-1
271 <400> SEQUENCE: 23
273 Ser Gln Arg Lys Arg Pro Pro
274 1 5
277 <210> SEQ ID NO: 24
278 <211> LENGTH: 11
279 <212> TYPE: PRT
280 <213> ORGANISM: Adenovirus
282 <400> SEQUENCE: 24
284 Arg Leu Pro Val Arg Arg Arg Arg Arg Val Pro
285 1 5 10
288 <210> SEQ ID NO: 25
289 <211> LENGTH: 5
290 <212> TYPE: PRT
291 <213> ORGANISM: HIV-1
293 <400> SEQUENCE: 25
295 Gly Arg Lys Lys Arg
296 1 5
299 <210> SEQ ID NO: 26
300 <211> LENGTH: 13
301 <212> TYPE: PRT
302 <213> ORGANISM: Frog
304 <400> SEQUENCE: 26
306 Val Arg Thr Thr Lys Gly Lys Arg Lys Arg Ile Asp Val
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307 1          5          10
310 <210> SEQ ID NO: 27
311 <211> LENGTH: 5
312 <212> TYPE: PRT
313 <213> ORGANISM: Rabbit
315 <400> SEQUENCE: 27
317 Arg Lys Phe Lys Lys
318 1          5
321 <210> SEQ ID NO: 28
322 <211> LENGTH: 8
323 <212> TYPE: PRT
324 <213> ORGANISM: HIV-1
326 <400> SEQUENCE: 28
328 Arg Arg Asn Arg Arg Arg Arg Trp
329 1          5
332 <210> SEQ ID NO: 29
333 <211> LENGTH: 16
334 <212> TYPE: PRT
335 <213> ORGANISM: Human
337 <400> SEQUENCE: 29
339 Pro Arg Glu Ser Gly Lys Lys Arg Lys Arg Lys Arg Leu Lys Pro Thr
340 1          5          10          15
343 <210> SEQ ID NO: 30
344 <211> LENGTH: 12
345 <212> TYPE: PRT
346 <213> ORGANISM: Mouse
348 <400> SEQUENCE: 30
350 Ser Ala Leu Ile Lys Lys Lys Lys Lys Met Ala Pro
351 1          5          10
354 <210> SEQ ID NO: 31
355 <211> LENGTH: 5
356 <212> TYPE: PRT
357 <213> ORGANISM: Adenovirus
359 <400> SEQUENCE: 31
361 Pro Pro Lys Lys Arg
362 1          5
365 <210> SEQ ID NO: 32
366 <211> LENGTH: 6
367 <212> TYPE: PRT
368 <213> ORGANISM: Adenovirus
370 <400> SEQUENCE: 32
372 Pro Lys Lys Lys Lys Lys
373 1          5
376 <210> SEQ ID NO: 33
377 <211> LENGTH: 9
378 <212> TYPE: PRT
379 <213> ORGANISM: Chicken
381 <400> SEQUENCE: 33
383 Ser Lys Arg Val Ala Lys Arg Lys Leu

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/20/2005  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:46; Xaa Pos. 11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29

Seq#:46; Xaa Pos. 30,31,32,33,34,35,36,37,38,39,40,41,42

**VERIFICATION SUMMARY**

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Input Set : A:\020728.0101PTUS Supplemental Sequence Listing.txt

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L:538 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:46

L:544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0

M:341 Repeated in SeqNo=46